Index of Authors

ADELEKAN Delana A. & THURNHAM David I. The influence of riboflavin deficiency on absorption and liver storage of iron in the growing rat. 171

ADRON J.W. *see* BELL J.G., ADRON J.W. & COWEY C.B. Effect of selenium deficiency on hydroperoxide-stimulated release of glutathione from perfused liver of rainbow trout (*Salmo gairdneri*). 421

AITCHISON E.M., GILL M., DHANOA M.S. & OSBOURN D.F. The effect of digestibility and forage species on the removal of digesta from the rumen and the voluntary intake of hay by sheep. 463

AITCHISON E.M., GILL M. & OSBOURN D.F. The effect of supplementation with maize starch and level of intake of perennial ryegrass (*Lolium perrene* cv. Endura) hay on the removal of digesta from the rumen of sheep. 477

ALLSOP T.F. *see* BARRY T.N., ALLSOP T.F. & REDEKOPP Carolyn The role of condensed tannins in the nutritional value of *Lotus pedunculatus* for sheep. 5. Effects on the endocrine system and on adipose tissue metabolism. 607

ANDERSEN L.M. *see* BATTERHAM E.S., ANDERSEN L.M., LOWE R.F. & DARNELL R.E. Nutritional value of lupin (*Lupinus albus*)-seed meal for growing pigs: availability of lysine, effect of autoclaving and net energy content. 645

ANDERSSON Henrik *see* TORNQVIST Hans, RISSANEN Aila & ANDERSSON Henrik Balance studies in patients with intestinal resection: how long is enough? 11

AOYAMA Yoritaka *see* NAGAOKA Satoshi, KATO Mitsuhiro, AOYAMA Yoritaka & YOSHIDA Akira Comparative studies on the hypercholesterolaemia induced by excess dietary tyrosine or polychlorinated biphenyls in rats. 509

ARIELI A. Effect of glucose on fermentation heat in sheep rumen fluid in vitro. 305

BACH KNUDSEN K.E. *see* EGGUM B.O., BEAMES R.M. & BACH KNUDSEN K.E. The effect of varying crude protein level and the proportions of fibre in diets containing a mixture of meat-and-bone meal and wheat bran as the only protein source on nitrogen balance indices and energy digestibility in the rat. 429

BARRY T.N., ALLSOP T.F. & REDEKOPP Carolyn The role of condensed tannins in the nutritional value of *Lotus pedunculatus* for sheep. 5. Effects on the endocrine system and on adipose tissue metabolism. 607

BATES C.J. *see* VILLARD Laurence & BATES C.J. Carotene dioxygenase (*EC* 1.13.11.21) activity in rat intestine: effects of vitamin A deficiency and of pregnancy. 115

BATTERHAM E.S., ANDERSEN L.M., LOWE R.F. & DARNELL R.E. Nutritional value of lupin (*Lupinus albus*)-seed meal for growing pigs: availability of lysine, effect of autoclaving and net energy content. 645

BAYOUMI Riad A. *see* SALIH Eltayeb Y., ZEIN Asma A. & BAYOUMI Riad A. The effect of oral contraceptives on the apparent vitamin B_6 status in some Sudanese women. 363

BEAMES R.M. *see* EGGUM B.O., BEAMES R.M. & BACH KNUDSEN K.E. The effect of varying crude protein level and the proportions of fibre in diets containing a mixture of meat-and-bone meal and wheat bran as the only protein source on nitrogen balance indices and energy digestibility in the rat. 429

BEEVER D.E., LOSADA H.R., CAMMELL S.B., EVANS R.T. & HAINES M.J. Effect of forage species and season on nutrient digestion and supply in grazing cattle. 209

BEEVER D.E., DHANOA M.S., LOSADA H.R., EVANS R.T., CAMMELL S.B. & FRANCE J. The effect of forage species and stage of harvest on the processes of digestion occurring in the rumen of cattle. 439

BELL J.G., ADRON J.W. & COWEY C.B. Effect of selenium deficiency on hydroperoxide-stimulated release of glutathione from perfused liver of rainbow trout (*Salmo gairdneri*). 421

BENDER David A. *see* MCCREANOR Gwyn & BENDER David A. The metabolism of high intakes of tryptophan, nicotinamide and nicotinic acid in the rat. 577

BLACK A.E., WILES S.J. & PAUL A.A. The nutrient intakes of pregnant and lactating mothers of good socio-economic status in Cambridge, UK: some implications for recommended daily allowances of minor nutrients. 59

BOLTON Colin H. *see* BURR Michael L., FEHILY Ann M., BUTLAND Barbara K., BOLTON Colin H. & EASTHAM Robert D. Alcohol and high-density-lipoprotein cholesterol: a randomized controlled trial. 81

BOULZE Danièle *see* LACOMBE Christiane R., CORRAZE Geneviève R., NIBBELINK Maryse M., BOULZE Danièle, DOUSTE-BLAZY Philippe & CAMARE Rita Effects of a low-energy diet associated with egg supplementation on plasma cholesterol and lipoprotein levels in normal subjects: results of a cross-over study. 561

BRADLEY A.K. *see* TOMKINS A.M., DUNN D.T., HAYES R.J. & BRADLEY A.K. Seasonal variations in the nutritional status of urban Gambian children. 533

BREVES G. *see* MICHALOWSKI T., HARMEYER J. & BREVES G. The passage of protozoa from the reticulo-rumen through the omasum of sheep. 625

BROSTER W.H. *see* SUTTON J.D., HART I.C., BROSTER W.H., ELLIOTT Rosemary J. & SCHULLER E. Feeding frequency for lactating cows: effects on rumen fermentation and blood metabolites and hormones. 181

BROWN Marilyn R. *see* FORBES Gilbert B., BROWN Marilyn R., WELLE Stephen L. & LIPINSKI Barbara A. Deliberate overfeeding in women and men: energy cost and composition of the weight gain. 1

BRYANT M.J. *see* SYMONDS M.E., BRYANT M.J. & LOMAX M.A. The effect of shearing on the energy metabolism of the pregnant ewe. 635

BURR Michael L., FEHILY Ann M., BUTLAND Barbara K., BOLTON Colin H. & EASTHAM Robert D. Alcohol and high-density-lipoprotein cholesterol: a randomized controlled trial. 81

BUTLAND Barbara K. *see* BURR Michael L., FEHILY Ann M., BUTLAND Barbara K., BOLTON Colin H. & EASTHAM Robert D. Alcohol and high-density-lipoprotein cholesterol: a randomized controlled trial. 81

BUTTERY P.J. *see* SHARPE P.M., BUTTERY P.J. & HAYNES N.B. The effect of manipulating growth in sheep by diet or anabolic agents on plasma cortisol and muscle glucocorticoid receptors. 289

CAMARE Rita *see* LACOMBE Christiane R., CORRAZE Geneviève R., NIBBELINK Maryse M., BOULZE Danièle, DOUSTE-BLAZY Philippe & CAMARE Rita Effects of a low-energy diet associated with egg supplementation on plasma cholesterol and lipoprotein levels in normal subjects: results of a cross-over study. 561

CAMMELL S.B. *see* BEEVER D.E., LOSADA H.R., CAMMELL S.B., EVANS R.T. & HAINES M.J. Effect of forage species and season on nutrient digestion and supply in grazing cattle. 209

CAMMELL S.B. *see* BEEVER D.E., DHANOA M.S., LOSADA H.R., EVANS R.T., CAMMELL S.B. & FRANCE J. The effect of forage species and stage of harvest on the processes of digestion occurring in the rumen of cattle. 439

CLARK Michael G. *see* RATTIGAN Stephen, HOWE Peter R.C. & CLARK Michael G. The effect of a high-fat diet and sucrose drinking option on the development of obesity in spontaneously hypertensive rats. 73

CLAUSEN Torben *see* KJELDSEN Keld, EVERTS Maria Elisabeth & CLAUSEN Torben Effects of semi-starvation and potassium deficiency on the concentration of [^{3}H]ouabain-binding sites and sodium and potassium contents in rat skeletal muscle. 519

COLE T.J. *see* STEPHEN Alison M., WIGGINS H.S., ENGLYST H.N., COLE T.J., WAYMAN B.J. & CUMMINGS J.H. The effect of age, sex and level of intake of dietary fibre from wheat on large-bowel function in thirty healthy subjects. 349

CONWAY S.P., RAWSON I., DEAR P.R.F., SHIRES S.E. & KELLEHER J. The early anaemia of the premature infant: is there a place for vitamin E supplementation? 105

CORRAZE Geneviève R. *see* LACOMBE Christiane R., CORRAZE Geneviève R., NIBBELINK Maryse M., BOULZE Danièle, DOUSTE-BLAZY Philippe & CAMARE Rita Effects of a low-energy diet associated with egg supplementation on plasma cholesterol and lipoprotein levels in normal subjects: results of a cross-over study. 561

COSSACK Zafrallah T. Somatomedin-C and zinc status in rats as affected by Zn, protein and food intake. 163

COWEY C.B. *see* BELL J.G., ADRON J.W. & COWEY C.B. Effect of selenium deficiency on hydroperoxide-stimulated release of glutathione from perfused liver of rainbow trout (*Salmo gairdneri*). 421

CUMMINGS J.H. *see* STEPHEN Alison M., WIGGINS H.S., ENGLYST H.N., COLE T.J., WAYMAN B.J. & CUMMINGS J.H. The effect of age, sex and level of intake of dietary fibre from wheat on large-bowel function in thirty healthy subjects. 349

CUNNANE Stephen C., MCADOO Kelly R. & HORROBIN David F. n-3 Essential fatty acids decrease weight gain in genetically obese mice. 87

DARNELL R.E. *see* BATTERHAM E.S., ANDERSEN L.M., LOWE R.F. & DARNELL R.E. Nutritional value of lupin (*Lupinus albus*)-seed meal for growing pigs: availability of lysine, effect of autoclaving and net energy content. 645

DAVIS S.R. *see* SCHAEFER A.L., DAVIS S.R. & HUGHSON G.A. Estimation of tissue protein synthesis in sheep during sustained elevation of plasma leucine concentration by intravenous infusion. 281

DEAR P.R.F. *see* CONWAY S.P., RAWSON I., DEAR P.R.F., SHIRES S.E. & KELLEHER J. The early anaemia of the premature infant: is there a place for vitamin E supplementation? 105

DE GROOT Lisette *see* VAN ES A.J.H., DE GROOT Lisette & VOGT J.E. Energy balances of eight volunteers fed on diets supplemented with either lactitol or saccharose. 545

DELLOW D. *see* LENG R.A., DELLOW D. & WAGHORN G. Dynamics of large ciliate protozoa in the rumen of cattle fed on diets of freshly cut grass. 455

DHANOA M.S. *see* BEEVER D.E., DHANOA M.S., LOSADA H.R., EVANS R.T., CAMMELL S.B. & FRANCE J. The effect of forage species and stage of harvest on the processes of digestion occurring in the rumen of cattle. 439

DHANOA M.S. *see* AITCHISON E.M., GILL M., DHANOA M.S. & OSBOURN D.F. The effect of digestibility and forage species on the removal of digesta from the rumen and the voluntary intake of hay by sheep. 463

DONANGELO Carmen M. & EGGUM B.O. Comparative effects of wheat bran and barley husk on nutrient utilization in rats. 2. Zinc, calcium and phosphorus. 269

DORWOOD Patricia M. *see* REEDS Peter J., HAY Susan M., DORWOOD Patricia M. & PALMER Robert M. Stimulation of muscle growth by clenbuterol: lack of effect on muscle protein biosynthesis. 249

DOUSTE-BLAZY Philippe *see* LACOMBE Christiane R., CORRAZE Geneviève R., NIBBELINK Maryse M., BOULZE Danièle, DOUSTE-BLAZY Philippe & CAMARE Rita Effects of a low-energy diet associated with egg supplementation on plasma cholesterol and lipoprotein levels in normal subjects: results of a cross-over study. 561

DUERRE John A. & WALLWORK James C. Methionine metabolism in isolated perfused livers from rats fed on zinc-deficient and restricted diets. 395

DUGGAN Maureen B. & MILNER R.D.G. Energy metabolism in healthy black Kenyan children. 317

DUNN D.T. *see* TOMKINS A.M., DUNN D.T., HAYES R.J. & BRADLEY A.K. Seasonal variations in the nutritional status of urban Gambian children. 533

EASTHAM Robert D. *see* BURR Michael L., FEHILY Ann M., BUTLAND Barbara K., BOLTON Colin H. & EASTHAM Robert D. Alcohol and high-density-lipoprotein cholesterol: a randomized controlled trial. 81

EGGUM B.O. *see* DONANGELO Carmen M. & EGGUM B.O. Comparative effects of wheat bran and barley husk on nutrient utilization in rats. 2. Zinc, calcium and phosphorus. 269

EGGUM B.O., BEAMES R.M. & BACH KNUDSEN K.E. The effect of varying crude protein level and the proportions of fibre in diets containing a mixture of meat-and-bone meal and wheat bran as the only protein source on nitrogen balance indices and energy digestibility in the rat. 429

EISENBERG J. *see* ERNST E., PIETSCH L., MATRAI A. & EISENBERG J. Blood rheology in vegetarians. 555

ELLIOTT Rosemary J. *see* SUTTON J.D., HART I.C., BROSTER W.H., ELLIOTT Rosemary J. & SCHULLER E. Feeding frequency for lactating cows: effects on rumen fermentation and blood metabolites and hormones. 181

ENGLYST H.N. *see* STEPHEN Alison M., WIGGINS H.S., ENGLYST H.N., COLE T.J., WAYMAN B.J. & CUMMINGS J.H. The effect of age, sex and level of intake of dietary fibre from wheat on large-bowel function in thirty healthy subjects. 349

ERNST E., PIETSCH L., MATRAI A. & EISENBERG J. Blood rheology in vegetarians. 555

EVANS R.T. *see* BEEVER D.E., LOSADA H.R., CAMMELL S.B., EVANS R.T. & HAINES M.J. Effect of forage species and season on nutrient digestion and supply in grazing cattle. 209

EVANS R.T. *see* BEEVER D.E., DHANOA M.S., LOSADA H.R., EVANS R.T., CAMMELL S.B. & FRANCE J. The effect of forage species and stage of harvest on the processes of digestion occurring in the rumen of cattle. 439

EVERTS Maria Elisabeth *see* KJELDSEN Keld, EVERTS Maria Elisabeth & CLAUSEN Torben Effects of semi-starvation and potassium deficiency on the concentration of [^{3}H]ouabain-binding sites and sodium and potassium contents in rat skeletal muscle. 519

FAICHNEY G.J. *see* NEUTZE S.A., KELLAWAY R.C. & FAICHNEY G.J. Kinetics of nitrogen transfer across the rumen wall of sheep given a low-protein roughage. 497

FEHILY Ann M. *see* BURR Michael L., FEHILY Ann M., BUTLAND Barbara K., BOLTON Colin H. & EASTHAM Robert D. Alcohol and high-density-lipoprotein cholesterol: a randomized controlled trial. 81

FERREL C.L., KOONG L.J. & NIENABER J.A. Effect of previous nutrition on body composition and maintenance energy costs of growing lambs. 595

FLETCHER J.M. Effects of adrenalectomy before weaning in the genetically obese Zucker rat (*fa/fa*). 141

FONTAINE Nicole *see* POINTILLART A., FONTAINE Nicole & THOMASSET Monique Effects of vitamin D on calcium regulation in vitamin-D-deficient pigs given a phytate-phosphorus diet. 661

FORBES Gilbert B., BROWN Marilyn R., WELLE Stephen L. & LIPINSKI Barbara A. Deliberate overfeeding in women and men: energy cost and composition of the weight gain. 1

FORDYCE R.A. *see* PARTRIDGE G.G., LOBLEY G.E. & FORDYCE R.A. Energy and nitrogen metabolism of rabbits during pregnancy, lactation and concurrent pregnancy and lactation. 199

FORSBERG Neil *see* RUSSELL James B. & FORSBERG Neil Production of tricarballylic acid by rumen microorganisms and its potential toxicity in ruminant tissue metabolism. 153

FRANCE J. *see* BEEVER D.E., DHANOA M.S., LOSADA H.R., EVANS R.T., CAMMELL S.B. & FRANCE J. The effect of forage species and stage of harvest on the processes of digestion occurring in the rumen of cattle. 439

GIBSON M. *see* LIGHT I.M. & GIBSON M. Percentage body fat and prevalence of obesity in a UK offshore population 97

GILL M. *see* AITCHISON E.M., GILL M., DHANOA M.S. & OSBOURN D.F. The effect of digestibility and forage species on the removal of digesta from the rumen and the voluntary intake of hay by sheep. 463

GILL M. *see* AITCHISON E.M., GILL M. & OSBOURN D.F. The effect of supplementation with maize starch and level of intake of perennial ryegrass (*Lolium perrene* cv. Endura) hay on the removal of digesta from the rumen of sheep. 477

GODWIN Ian R. & WILLIAMS Vernon J. Effects of intraruminal sodium chloride infusion on rumen and renal nitrogen and electrolyte dynamics in sheep. 379

HAINES M.J. *see* BEEVER D.E., LOSADA H.R., CAMMELL S.B., EVANS R.T. & HAINES M.J. Effect of forage species and season on nutrient digestion and supply in grazing cattle. 209

HARMEYER J. *see* MICHALOWSKI T., HARMEYER J. & BREVES G. The passage of protozoa from the reticulo-rumen through the omasum of sheep. 625

HART I.C. *see* SUTTON J.D., HART I.C., BROSTER W.H., ELLIOTT Rosemary J. & SCHULLER E. Feeding frequency for lactating cows: effects on rumen fermentation and blood metabolites and hormones. 181

HARTMANN P.E. *see* SAINT L., MAGGIORE P. & HARTMANN P.E. Yield and nutrient content of milk in eight women breast-feeding twins and one woman breast-feeding triplets. 49

HAY Susan M. *see* REEDS Peter J., HAY Susan M., DORWOOD Patricia M. & PALMER Robert M. Stimulation of muscle growth by clenbuterol: lack of effect on muscle protein biosynthesis. 249

HAYES R.J. *see* TOMKINS A.M., DUNN D.T., HAYES R.J. & BRADLEY A.K. Seasonal variations in the nutritional status of urban Gambian children. 533

HAYNES N.B. *see* SHARPE P.M., BUTTERY P.J. & HAYNES N.B. The effect of manipulating growth in sheep by diet or anabolic agents on plasma cortisol and muscle glucocorticoid receptors. 289

HERMUS R.J.J. *see* VAN DOKKUM W., WESSTRA Anneke, LUYKEN R. & HERMUS R.J.J. The effects of a high-animal- and a high-vegetable-protein diet on mineral balance and bowel function of young men. 341

HILL R. *see* VINCENT Isobel C., WILLIAMS H.Ll. & HILL R. Effects of sodium intake on lactation and Na levels in body fluids of Blackface ewes. 193

HORROBIN David F. *see* CUNNANE Stephen C., MCADOO Kelly R. & HORROBIN David F. n-3 Essential fatty acids decrease weight gain in genetically obese mice. 87

HOWE Peter R.C. *see* RATTIGAN Stephen, HOWE Peter R.C. & CLARK Michael G. The effect of a high-fat diet and sucrose drinking option on the development of obesity in spontaneously hypertensive rats. 73

HUGHSON G.A. *see* SCHAEFER A.L., DAVIS S.R. & HUGHSON G.A. Estimation of tissue protein synthesis in sheep during sustained elevation of plasma leucine concentration by intravenous infusion. 281

JOUANY J.P. *see* USHIDA K., JOUANY J.P. & THIVEND P. Role of rumen protozoa in nitrogen digestion in sheep given two isonitrogenous diets. 407

KAGGWA Jane S.N. The effect of protein and energy deficiency on skin glycosaminoglycan levels in the rat. 329

KATO Mitsuhiro *see* NAGAOKA Satoshi, KATO Mitsuhiro, AOYAMA Yoritaka & YOSHIDA Akira Comparative studies on the hypercholesterolaemia induced by excess dietary tyrosine or polychlorinated biphenyls in rats. 509

KELLAWAY R.C. *see* SPRAGG J.C., KELLAWAY R.C. & LEIBHOLZ Jane Effects of supplements on intake, rumen function and nutrient supply and growth in cattle eating alkali-treated oat straw. 487

KELLAWAY R.C. *see* NEUTZE S.A., KELLAWAY R.C. & FAICHNEY G.J. Kinetics of nitrogen transfer across the rumen wall of sheep given a low-protein roughage. 497

KELLEHER J. *see* CONWAY S.P., RAWSON I., DEAR P.R.F., SHIRES S.E. & KELLEHER J. The early anaemia of the premature infant: is there a place for vitamin E supplementation? 105

KJELDSEN Keld, EVERTS Maria Elisabeth & CLAUSEN Torben Effects of semi-starvation and potassium deficiency on the concentration of [^{3}H]ouabain-binding sites and sodium and potassium contents in rat skeletal muscle. 519

KOONG L.J. *see* FERREL C.L., KOONG L.J. & NIENABER J.A. Effect of previous nutrition on body composition and maintenance energy costs of growing lambs. 595

KYLE D.J. *see* ØRSKOV E.R., MACLEOD N.A. & KYLE D.J. Flow of nitrogen from the rumen and abomasum in cattle and sheep given protein-free nutrients by intragastric infusion. 241

LACOMBE Christiane R., CORRAZE Geneviève R., NIBBELINK Maryse M., BOULZE Danièle, DOUSTE-BLAZY Philippe & CAMARE Rita Effects of a low-energy diet associated with egg supplementation on plasma cholesterol and lipoprotein levels in normal subjects: results of a cross-over study. 561

LEIBHOLZ Jane *see* SPRAGG J.C., KELLAWAY R.C. & LEIBHOLZ Jane Effects of supplements on intake, rumen function and nutrient supply and growth in cattle eating alkali-treated oat straw. 487

LENG R.A., DELLOW D. & WAGHORN G. Dynamics of large ciliate protozoa in the rumen of cattle fed on diets of freshly cut grass. 455

LIGHT I.M. & GIBSON M. Percentage body fat and prevalence of obesity in a UK offshore population 97

LIPINSKI Barbara A. *see* FORBES Gilbert B., BROWN Marilyn R., WELLE Stephen L. & LIPINSKI Barbara A. Deliberate overfeeding in women and men: energy cost and composition of the weight gain. 1

LOBLEY G.E. *see* PARTRIDGE G.G., LOBLEY G.E. & FORDYCE R.A. Energy and nitrogen metabolism of rabbits during pregnancy, lactation and concurrent pregnancy and lactation. 199

LOMAX M.A. *see* SYMONDS M.E., BRYANT M.J. & LOMAX M.A. The effect of shearing on the energy metabolism of the pregnant ewe. 635

LOSADA H.R. *see* BEEVER D.E., LOSADA H.R., CAMMELL S.B., EVANS R.T. & HAINES M.J. Effect of forage species and season on nutrient digestion and supply in grazing cattle. 209

LOSADA H.R. *see* BEEVER D.E., DHANOA M.S., LOSADA H.R., EVANS R.T., CAMMELL S.B. & FRANCE J. The effect of forage species and stage of harvest on the processes of digestion occurring in the rumen of cattle. 439

LOWE R.F. *see* BATTERHAM E.S., ANDERSEN L.M., LOWE R.F. & DARNELL R.E. Nutritional value of lupin (*Lupinus albus*)-seed meal for growing pigs: availability of lysine, effect of autoclaving and net energy content. 645

LUYKEN R. *see* VAN DOKKUM W., WESSTRA Anneke, LUYKEN R. & HERMUS R.J.J. The effects of a high-animal- and a high-vegetable-protein diet on mineral balance and bowel function of young men. 341

MCADOO Kelly R. *see* CUNNANE Stephen C., MCADOO Kelly R. & HORROBIN David F. n-3 Essential fatty acids decrease weight gain in genetically obese mice. 87

MCCREANOR Gwyn & BENDER David A. The metabolism of high intakes of tryptophan, nicotinamide and nicotinic acid in the rat. 577

MCDONALD P. & SUTTLE N.F. Abnormal fermentations in continuous cultures of rumen micro-organisms given cobalt-deficient hay or barley as the food substrate. 369

MACLEOD N.A. *see* ØRSKOV E.R., MACLEOD N.A. & KYLE D.J. Flow of nitrogen from the rumen and abomasum in cattle and sheep given protein-free nutrients by intragastric infusion. 241

MAGGIORE P. *see* SAINT L., MAGGIORE P. & HARTMANN P.E. Yield and nutrient content of milk in eight women breast-feeding twins and one woman breast-feeding triplets. 49

MATRAI A. *see* ERNST E., PIETSCH L., MATRAI A. & EISENBERG J. Blood rheology in vegetarians. 555

MATTACKS Christine A. *see* POND Caroline M., MATTACKS Christine A., THOMPSON Marion C. & SADLER Dawn The effects of age, dietary restriction, exercise and maternity on the abundance and volume of adipocytes in twelve adipose depots of adult guinea-pigs. 29

MICHALOWSKI T., HARMEYER J. & BREVES G. The passage of protozoa from the reticulo-rumen through the omasum of sheep. 625

MILNER R.D.G. *see* DUGGAN Maureen B. & MILNER R.D.G. Energy metabolism in healthy black Kenyan children. 317

MURALIDHARA D.V. & SHETTY P.S. Effects of preweaning nutritional deprivation on basal metabolism and thermoregulatory thermogenesis in the rat. 615

MURRAY Gordon E., NAIR Raman & PATRICK John The effect of dietary polyunsaturated fat on cation transport and hypertension in the rat. 587

NAGAOKA Satoshi, KATO Mitsuhiro, AOYAMA Yoritaka & YOSHIDA Akira Comparative studies on the hypercholesterolaemia induced by excess dietary tyrosine or polychlorinated biphenyls in rats. 509

NAIR Raman *see* MURRAY GORDON E., NAIR Raman & PATRICK John The effect of dietary poly-unsaturated fat on cation transport and hypertension in the rat. 587

NEUTZE S.A., KELLAWAY R.C. & FAICHNEY G.J. Kinetics of nitrogen transfer across the rumen wall of sheep given a low-protein roughage. 497

NIBBELINK Maryse M. *see* LACOMBE Christiane R., CORRAZE Geneviève R., NIBBELINK Maryse M., BOULZE Danièle, DOUSTE-BLAZY Philippe & CAMARE Rita Effects of a low-energy diet associated with egg supplementation on plasma cholesterol and lipoprotein levels in normal subjects: results of a cross-over study. 561

NIENABER J.A. *see* FERREL C.L., KOONG L.J. & NIENABER J.A. Effect of previous nutrition on body composition and maintenance energy costs of growing lambs. 595

ØRSKOV E.R., MACLEOD N.A. & KYLE D.J. Flow of nitrogen from the rumen and abomasum in cattle and sheep given protein-free nutrients by intragastric infusion. 241

OSBOURN D.F. *see* AITCHISON E.M., GILL M., DHANOA M.S. & OSBOURN D.F. The effect of digestibility and forage species on the removal of digesta from the rumen and the voluntary intake of hay by sheep. 463

OSBOURN D.F. *see* AITCHISON E.M., GILL M. & OSBOURN D.F. The effect of supplementation with maize starch and level of intake of perennial ryegrass (*Lolium perrene* cv. Endura) hay on the removal of digesta from the rumen of sheep. 477

PALMER Robert M. *see* REEDS Peter J., HAY Susan M., DORWOOD Patricia M. & PALMER Robert M. Stimulation of muscle growth by clenbuterol: lack of effect on muscle protein biosynthesis. 249

PARSONS Carl M. Determination of digestible and available amino acids in meat meal using conventional and caecectomized cockerels or chick growth assays. 227

PATRICK John *see* MURRAY GORDON E., NAIR Raman & PATRICK John The effect of dietary poly-unsaturated fat on cation transport and hypertension in the rat. 587

PARTRIDGE G.G., LOBLEY G.E. & FORDYCE R.A. Energy and nitrogen metabolism of rabbits during pregnancy, lactation and concurrent pregnancy and lactation. 199

PAUL A.A. *see* BLACK A.E., WILES S.J. & PAUL A.A. The nutrient intakes of pregnant and lactating mothers of good socio-economic status in Cambridge, UK: some implications for recommended daily allowances of minor nutrients. 59

PHILLIPS Patricia *see* TULLIS J. Bronwyn, WHITTEMORE C.T. & PHILLIPS Patricia Compensatory nitrogen retention in growing pigs following a period of N deprivation. 259

PIETSCH L. *see* ERNST E., PIETSCH L., MATRAI A. & EISENBERG J. Blood rheology in vegetarians. 555

POINTILLART A., FONTAINE Nicole & THOMASSET Monique Effects of vitamin D on calcium regulation in vitamin-D-deficient pigs given a phytate-phosphorus diet. 661

POND Caroline M., MATTACKS Christine A., THOMPSON Marion C. & SADLER Dawn The effects of age, dietary restriction, exercise and maternity on the abundance and volume of adipocytes in twelve adipose depots of adult guinea-pigs. 29

RANA Surinder K. & SANDERS T.A.B. Taurine concentrations in the diet, plasma, urine and breast milk of vegans compared with omnivores. 17

RATTIGAN Stephen, HOWE Peter R.C. & CLARK Michael G. The effect of a high-fat diet and sucrose drinking option on the development of obesity in spontaneously hypertensive rats. 73

RAWSON I. *see* CONWAY S.P., RAWSON I., DEAR P.R.F., SHIRES S.E. & KELLEHER J. The early anaemia of the premature infant: is there a place for vitamin E supplementation? 105

REDEKOPP Carolyn *see* BARRY T.N., ALLSOP T.F. & REDEKOPP Carolyn The role of condensed tannins in the nutritional value of *Lotus pedunculatus* for sheep. 5. Effects on the endocrine system and on adipose tissue metabolism. 607

REEDS Peter J., HAY Susan M., DORWOOD Patricia M. & PALMER Robert M. Stimulation of muscle growth by clenbuterol: lack of effect on muscle protein biosynthesis. 249

RISSANEN Aila *see* TORNQVIST Hans, RISSANEN Aila & ANDERSSON Henrik Balance studies in patients with intestinal resection: how long is enough? 11

ROTHWELL Nancy J. & STOCK Michael J. Influence of environmental temperature on energy balance, diet-induced thermogenesis and brown fat activity in 'cafeteria'-fed rats. 123

RUSSELL James B. & FORSBERG Neil Production of tricarballylic acid by rumen microorganisms and its potential toxicity in ruminant tissue metabolism. 153

SADLER Dawn *see* POND Caroline M., MATTACKS Christine A., THOMPSON Marion C. & SADLER Dawn The effects of age, dietary restriction, exercise and maternity on the abundance and volume of adipocytes in twelve adipose depots of adult guinea-pigs. 29

SAINT L., MAGGIORE P. & HARTMANN P.E. Yield and nutrient content of milk in eight women breast-feeding twins and one woman breast-feeding triplets. 49

SALIH Eltayeb Y., ZEIN Asma A. & BAYOUMI Riad A. The effect of oral contraceptives on the apparent vitamin B_6 status in some Sudanese women. 363

SANDERS T.A.B. *see* RANA SURINDER K. & SANDERS T.A.B. Taurine concentrations in the diet, plasma, urine and breast milk of vegans compared with omnivores. 17

SCHAEFER A.L., DAVIS S.R. & HUGHSON G.A. Estimation of tissue protein synthesis in sheep during sustained elevation of plasma leucine concentration by intravenous infusion. 281

SCHULLER E. *see* SUTTON J.D., HART I.C., BROSTER W.H., ELLIOTT Rosemary J. & SCHULLER E. Feeding frequency for lactating cows: effects on rumen fermentation and blood metabolites and hormones. 181

SHARPE P.M., BUTTERY P.J. & HAYNES N.B. The effect of manipulating growth in sheep by diet or anabolic agents on plasma cortisol and muscle glucocorticoid receptors. 289

SHETTY P.S. *see* MURALIDHARA D.V. & SHETTY P.S. Effects of preweaning nutritional deprivation on basal metabolism and thermoregulatory thermogenesis in the rat. 615

SHIRES S.E. *see* CONWAY S.P., RAWSON I., DEAR P.R.F., SHIRES S.E. & KELLEHER J. The early anaemia of the premature infant: is there a place for vitamin E supplementation? 105

SPRAGG J.C., KELLAWAY R.C. & LEIBHOLZ Jane Effects of supplements on intake, rumen function and nutrient supply and growth in cattle eating alkali-treated oat straw. 487

STEPHEN Alison M., WIGGINS H.S., ENGLYST H.N., COLE T.J., WAYMAN B.J. & CUMMINGS J.H. The effect of age, sex and level of intake of dietary fibre from wheat on large-bowel function in thirty healthy subjects. 349

STOCK Michael J. *see* ROTHWELL Nancy J. & STOCK Michael J. Influence of environmental temperature on energy balance, diet-induced thermogenesis and brown fat activity in 'cafeteria'-fed rats. 123

SUTTLE N.F. *see* MCDONALD P. & SUTTLE N.F. Abnormal fermentations in continuous cultures of rumen micro-organisms given cobalt-deficient hay or barley as the food substrate. 369

SUTTON J.D., HART I.C., BROSTER W.H., ELLIOTT Rosemary J. & SCHULLER E. Feeding frequency for lactating cows: effects on rumen fermentation and blood metabolites and hormones. 181

SYMONDS M.E., BRYANT M.J. & LOMAX M.A. The effect of shearing on the energy metabolism of the pregnant ewe. 635

THIVEND P. *see* USHIDA K., JOUANY J.P. & THIVEND P. Role of rumen protozoa in nitrogen digestion in sheep given two isonitrogenous diets. 407

THOMASSET Monique *see* POINTILLART A., FONTAINE Nicole & THOMASSET Monique Effects of vitamin D on calcium regulation in vitamin-D-deficient pigs given a phytate-phosphorus diet. 661

THOMPSON Marion C. *see* POND Caroline M., MATTACKS Christine A., THOMPSON Marion C. & SADLER Dawn The effects of age, dietary restriction, exercise and maternity on the abundance and volume of adipocytes in twelve adipose depots of adult guinea-pigs. 29

THURNHAM David I. *see* ADELEKAN Delana A. & THURNHAM David I. The influence of riboflavin deficiency on absorption and liver storage of iron in the growing rat. 171

TOMKINS A.M., DUNN D.T., HAYES R.J. & BRADLEY A.K. Seasonal variations in the nutritional status of urban Gambian children. 533

TORNQVIST Hans, RISSANEN Aila & ANDERSSON Henrik Balance studies in patients with intestinal resection: how long is enough? 11

TULLIS J. Bronwyn, WHITTEMORE C.T. & PHILLIPS Patricia Compensatory nitrogen retention in growing pigs following a period of N deprivation. 259

USHIDA K., JOUANY J.P. & THIVEND P. Role of rumen protozoa in nitrogen digestion in sheep given two isonitrogenous diets. 407

VAN DOKKUM W., WESSTRA Anneke, LUYKEN R. & HERMUS R.J.J. The effects of a high-animal- and a high-vegetable-protein diet on mineral balance and bowel function of young men. 341

VAN ES A.J.H., DE GROOT Lisette & VOGT J.E. Energy balances of eight volunteers fed on diets supplemented with either lactitol or saccharose. 545

VARVIKKO T. Microbially corrected amino acid composition of rumen-undegraded feed protein and amino acid degradability in the rumen of feeds enclosed in nylon bags. 131

VILLARD Laurence & BATES C.J. Carotene dioxygenase (*EC* 1.13.11.21) activity in rat intestine: effects of vitamin A deficiency and of pregnancy. 115

VINCENT Isobel C., WILLIAMS H.Ll. & HILL R. Effects of sodium intake on lactation and Na levels in body fluids of Blackface ewes. 193

VOGT J.E. *see* VAN ES A.J.H., DE GROOT Lisette & VOGT J.E. Energy balances of eight volunteers fed on diets supplemented with either lactitol or saccharose. 545

WAGHORN G. *see* LENG R.A., DELLOW D. & WAGHORN G. Dynamics of large ciliate protozoa in the rumen of cattle fed on diets of freshly cut grass. 455

WALLWORK James C. *see* DUERRE John A. & WALLWORK James C. Methionine metabolism in isolated perfused livers from rats fed on zinc-deficient and restricted diets. 395

WAYMAN B.J. *see* STEPHEN Alison M., WIGGINS H.S., ENGLYST H.N., COLE T.J., WAYMAN B.J. & CUMMINGS J.H. The effect of age, sex and level of intake of dietary fibre from wheat on large-bowel function in thirty healthy subjects. 349

WELLE Stephen L. *see* FORBES Gilbert B., BROWN Marilyn R., WELLE Stephen L. & LIPINSKI Barbara A. Deliberate overfeeding in women and men: energy cost and composition of the weight gain. 1

WESSTRA Anneke *see* VAN DOKKUM W., WESSTRA Anneke, LUYKEN R. & HERMUS R.J.J. The effects of a high-animal- and a high-vegetable-protein diet on mineral balance and bowel function of young men. 341

WHITTEMORE C.T. *see* TULLIS J. Bronwyn, WHITTEMORE C.T. & PHILLIPS Patricia Compensatory nitrogen retention in growing pigs following a period of N deprivation. 259

WIGGINS H.S. *see* STEPHEN Alison M., WIGGINS H.S., ENGLYST H.N., COLE T.J., WAYMAN B.J. & CUMMINGS J.H. The effect of age, sex and level of intake of dietary fibre from wheat on large-bowel function in thirty healthy subjects. 349

WILES S.J. *see* BLACK A.E., WILES S.J. & PAUL A.A. The nutrient intakes of pregnant and lactating mothers of good socio-economic status in Cambridge, UK: some implications for recommended daily allowances of minor nutrients. 59

WILLIAMS H.Ll. *see* VINCENT Isobel C., WILLIAMS H.Ll. & HILL R. Effects of sodium intake on lactation and Na levels in body fluids of Blackface ewes. 193

WILLIAMS Vernon J. *see* GODWIN Ian R. & WILLIAMS Vernon J. Effects of intraruminal sodium chloride infusion on rumen and renal nitrogen and electrolyte dynamics in sheep. 379

YOSHIDA Akira *see* NAGAOKA Satoshi, KATO Mitsuhiro, AOYAMA Yoritaka & YOSHIDA Akira Comparative studies on the hypercholesterolaemia induced by excess dietary tyrosine or polychlorinated biphenyls in rats. 509

ZEIN Asma A. *see* SALIH Eltayeb Y., ZEIN Asma A. & BAYOUMI Riad A. The effect of oral contraceptives on the apparent vitamin B_6 status in some Sudanese women. 363

Index of Subjects

Adipocyte volume
The effects of age, dietary restriction, exercise and maternity on the abundance and volume of adipocytes in twelve adipose depots of adult guinea-pigs. **56**, 29, 1986

Adrenalectomy
Effects of adrenalectomy before weaning in the genetically obese Zucker rat (*fa/fa*). **56**, 141, 1986

Alcohol
Alcohol and high-density-lipoprotein cholesterol: a randomized controlled trial. **56**, 81, 1986

Alkali-treated oat straw
Effects of supplements on intake, rumen function and nutrient supply and growth in cattle eating alkali-treated oat straw. **56**, 487, 1986

Amino acid availability
Determination of digestible and available amino acids in meat meal using conventional and caecectomized cockerels or chick growth assays. **56**, 227, 1986

Amino acid degradability
Microbially corrected amino acid composition of rumen-undegraded feed protein and amino acid degradability in the rumen of feeds enclosed in nylon bags. **56**, 131, 1986

Anabolic agents
The effect of manipulating growth in sheep by diet or anabolic agents on plasma cortisol and muscle glucocorticoid receptors. **56**, 289, 1986

Anaemia
The early anaemia of the premature infant: is there a place for vitamin E supplementation? **56**, 105, 1986

Anthropometric measurements
Energy metabolism in healthy black Kenyan children. **56**, 317, 1986

Balance study
Balance studies in patients with intestinal resection: how long is enough? **56**, 11, 1986

Blood rheology
Blood rheology in vegetarians. 56, 555, 1986

Body composition
Deliberate overfeeding in women and men: energy cost and composition of the weight gain. **56**, 1, 1986
Effect of previous nutrition on body composition and maintenance energy costs of growing lambs. **56**, 595, 1986

Body fat
Percentage body fat and prevalence of obesity in a UK offshore population **56**, 97, 1986

Bowel function
The effects of a high-animal- and a high-vegetable-protein diet on mineral balance and bowel function of young men. **56**, 341, 1986
The effect of age, sex and level of intake of dietary fibre from wheat on large-bowel function in thirty healthy subjects. **56**, 349, 1986

Breast-feeding
Yield and nutrient content of milk in eight women breast-feeding twins and one woman breast-feeding triplets. **56**, 49, 1986

'Cafeteria' diet
Influence of environmental temperature on energy balance, diet-induced thermogenesis and brown fat activity in 'cafeteria'-fed rats. **56**, 123, 1986

Calcium
Effects of vitamin D on calcium regulation in vitamin-D-deficient pigs given a phytate-phosphorus diet. **56**, 661, 1986

Carotene dioxygenase (*EC* 1.13.11.21)
Carotene dioxygenase (*EC* 1.13.11.21) activity in rat intestine: effects of vitamin A deficiency and of pregnancy. **56**, 115, 1986

Cation transport
The effect of dietary polyunsaturated fat on cation transport and hypertension in the rat. **56**, 587, 1986

Children
Energy metabolism in healthy black Kenyan children. **56**, 317, 1986

Cholesterol
Alcohol and high-density-lipoprotein cholesterol: a randomized controlled trial. **56**, 81, 1986
Effects of a low-energy diet associated with egg supplementation on plasma cholesterol and lipoprotein levels in normal subjects: results of a cross-over study. **56**, 561, 1986

Clenbuterol
Stimulation of muscle growth by clenbuterol: lack of effect on muscle protein biosynthesis. **56**, 249, 1986

Cobalt deficiency
Abnormal fermentations in continuous cultures of rumen micro-organisms given cobalt-deficient hay or barley as the food substrate. **56**, 369, 1986

Condensed tannins
The role of condensed tannins in the nutritional value of *Lotus pedunculatus* for sheep. 5. Effects on the endocrine system and on adipose tissue metabolism. **56**, 607, 1986

Cortisol
The effect of manipulating growth in sheep by diet or anabolic agents on plasma cortisol and muscle glucocorticoid receptors. **56**, 289, 1986

Diet-induced thermogenesis
Influence of environmental temperature on energy balance, diet-induced thermogenesis and brown fat activity in 'cafeteria'-fed rats. **56**, 123, 1986

Dietary fibre
Comparative effects of wheat bran and barley husk on nutrient utilization in rats. 2. Zinc, calcium and phosphorus. **56**, 269, 1986
The effect of age, sex and level of intake of dietary fibre from wheat on large-bowel function in thirty healthy subjects. **56**, 349, 1986
The effect of varying crude protein level and the proportions of fibre in diets containing a mixture of meat-and-bone meal and wheat bran as the only protein source on nitrogen balance indices and energy digestibility in the rat. **56**, 429, 1986

Dietary restriction
Effects of a low-energy diet associated with egg supplementation on plasma cholesterol and lipoprotein levels in normal subjects: results of a cross-over study. **56**, 561, 1986

Dietary survey
The nutrient intakes of pregnant and lactating mothers of good socio-economic status in Cambridge, UK: some implications for recommended daily allowances of minor nutrients. **56**, 59, 1986

Energy digestibility
The effect of varying crude protein level and the proportions of fibre in diets containing a mixture of meat-and-bone meal and wheat bran as the only protein source on nitrogen balance indices and energy digestibility in the rat. **56**, 429, 1986

Energy metabolism
Energy and nitrogen metabolism of rabbits during pregnancy, lactation and concurrent pregnancy and lactation. **56**, 199, 1986
Energy metabolism in healthy black Kenyan children. **56**, 317, 1986
The effect of shearing on the energy metabolism of the pregnant ewe. **56**, 635, 1986

Environmental temperature
Influence of environmental temperature on energy balance, diet-induced thermogenesis and brown fat activity in 'cafeteria'-fed rats. **56**, 123, 1986

Essential fatty acids
n-3 Essential fatty acids decrease weight gain in genetically obese mice. **56**, 87, 1986

Exercise
The effects of age, dietary restriction, exercise and maternity on the abundance and volume of adipocytes in twelve adipose depots of adult guinea-pigs. **56**, 29, 1986

Fasting heat production
Effect of previous nutrition on body composition and maintenance energy costs of growing lambs. **56**, 595, 1986

Feeding frequency
Feeding frequency for lactating cows: effects on rumen fermentation and blood metabolites and hormones. **56**, 181, 1986

Fermentation heat
Effect of glucose on fermentation heat in sheep rumen fluid in vitro. **56**, 305, 1986

Food energy value
Energy balances of eight volunteers fed on diets supplemented with either lactitol or saccharose. **56**, 545, 1986

Food intake
Somatomedin-C and zinc status in rats as affected by Zn, protein and food intake. **56**, 163, 1986
The effect of digestibility and forage species on the removal of digesta from the rumen and the voluntary intake of hay by sheep. **56**, 463, 1986
The effect of supplementation with maize starch and level of intake of perennial ryegrass (*Lolium perrene* cv. Endura) hay on the removal of digesta from the rumen of sheep. **56**, 477, 1986

Food restriction
The effects of age, dietary restriction, exercise and maternity on the abundance and volume of adipocytes in twelve adipose depots of adult guinea-pigs. **56**, 29, 1986
Methionine metabolism in isolated perfused livers from rats fed on zinc-deficient and restricted diets. **56**, 395, 1986

Forages
Effect of forage species and season on nutrient digestion and supply in grazing cattle. **56**, 209, 1986
The effect of forage species and stage of harvest on the processes of digestion occurring in the rumen of cattle. **56**, 439, 1986
The effect of digestibility and forage species on the removal of digesta from the rumen and the voluntary intake of hay by sheep. **56**, 463, 1986

Gambian children
Seasonal variations in the nutritional status of urban Gambian children. **56**, 533, 1986

Genetic hypertension
The effect of a high-fat diet and sucrose drinking option on the development of obesity in spontaneously hypertensive rats. **56**, 73, 1986

Glucose
Effect of glucose on fermentation heat in sheep rumen fluid in vitro. **56**, 305, 1986

Glutathione
Effect of selenium deficiency on hydroperoxide-stimulated release of glutathione from perfused liver of rainbow trout (*Salmo gairdneri*). **56**, 421, 1986

Glycosaminoglycans
The effect of protein and energy deficiency on skin glycosaminoglycan levels in the rat. **56**, 329, 1986

Growth
Compensatory nitrogen retention in growing pigs following a period of N deprivation. **56**, 259, 1986
The effect of manipulating growth in sheep by diet or anabolic agents on plasma cortisol and muscle glucocorticoid receptors. **56**, 289, 1986

High-density lipoprotein
Alcohol and high-density-lipoprotein cholesterol: a randomized controlled trial. **56**, 81, 1986

Human milk
Yield and nutrient content of milk in eight women breast-feeding twins and one woman breast-feeding triplets. **56**, 49, 1986

Hypercholesterolaemia
Comparative studies on the hypercholesterolaemia induced by excess dietary tyrosine or polychlorinated biphenyls in rats. **56**, 509, 1986
Effects of a low-energy diet associated with egg supplementation on plasma cholesterol and lipoprotein levels in normal subjects: results of a cross-over study. **56**, 561, 1986
Hypertension
The effect of a high-fat diet and sucrose drinking option on the development of obesity in spontaneously hypertensive rats. **56**, 73, 1986
The effect of dietary polyunsaturated fat on cation transport and hypertension in the rat. **56**, 587, 1986
Intestinal resection
Balance studies in patients with intestinal resection: how long is enough? **56**, 11, 1986
Intragastric infusion
Flow of nitrogen from the rumen and abomasum in cattle and sheep given protein-free nutrients by intragastric infusion. **56**, 241, 1986
Iron
The influence of riboflavin deficiency on absorption and liver storage of iron in the growing rat. **56**, 171, 1986
Lactation
Taurine concentrations in the diet, plasma, urine and breast milk of vegans compared with omnivores. **56**, 17, 1986
The nutrient intakes of pregnant and lactating mothers of good socio-economic status in Cambridge, UK: some implications for recommended daily allowances of minor nutrients. **56**, 59, 1986
Feeding frequency for lactating cows: effects on rumen fermentation and blood metabolites and hormones. **56**, 181, 1986
Effects of sodium intake on lactation and Na levels in body fluids of Blackface ewes. **56**, 193, 1986
Energy and nitrogen metabolism of rabbits during pregnancy, lactation and concurrent pregnancy and lactation. **56**, 199, 1986
Lactitol
Energy balances of eight volunteers fed on diets supplemented with either lactitol or saccharose. **56**, 545, 1986
Letters to the Editors **56**, 313, 1986
Leucine
Estimation of tissue protein synthesis in sheep during sustained elevation of plasma leucine concentration by intravenous infusion. **56**, 281, 1986
Lotus pedunculatus
The role of condensed tannins in the nutritional value of *Lotus pedunculatus* for sheep. 5. Effects on the endocrine system and on adipose tissue metabolism. **56**, 607, 1986
Lupin (*Lupinus albus*)-seed meal
Nutritional value of lupin (*Lupinus albus*)-seed meal for growing pigs: availability of lysine, effect of autoclaving and net energy content. **56**, 645, 1986
Lysine availability
Nutritional value of lupin (*Lupinus albus*)-seed meal for growing pigs: availability of lysine, effect of autoclaving and net energy content. **56**, 645, 1986
Malnutrition
Effects of preweaning nutritional deprivation on basal metabolism and thermoregulatory thermogenesis in the rat. **56**, 615, 1986
Meat meal
Determination of digestible and available amino acids in meat meal using conventional and caecectomized cockerels or chick growth assays. **56**, 227, 1986
Methionine
Methionine metabolism in isolated perfused livers from rats fed on zinc-deficient and restricted diets. **56**, 395, 1986
Mineral balance
The effects of a high-animal- and a high-vegetable-protein diet on mineral balance and bowel function of young men. **56**, 341, 1986
Mineral metabolism
Comparative effects of wheat bran and barley husk on nutrient utilization in rats. 2. Zinc, calcium and phosphorus. **56**, 269, 1986
Muscle growth
Stimulation of muscle growth by clenbuterol: lack of effect on muscle protein biosynthesis. **56**, 249, 1986
Niacin metabolism
The metabolism of high intakes of tryptophan, nicotinamide and nicotinic acid in the rat. **56**, 577, 1986
Nitrogen balance
The effect of varying crude protein level and the proportions of fibre in diets containing a mixture of meat-and-bone meal and wheat bran as the only protein source on nitrogen balance indices and energy digestibility in the rat. **56**, 429, 1986
Nitrogen flow
Flow of nitrogen from the rumen and abomasum in cattle and sheep given protein-free nutrients by intragastric infusion. **56**, 241, 1986
Nitrogen metabolism
Energy and nitrogen metabolism of rabbits during pregnancy, lactation and concurrent pregnancy and lactation. **56**, 199, 1986
Compensatory nitrogen retention in growing pigs following a period of N deprivation. **56**, 259, 1986
Role of rumen protozoa in nitrogen digestion in sheep given two isonitrogenous diets. **56**, 407, 1986
Nitrogen recycling
Kinetics of nitrogen transfer across the rumen wall of sheep given a low-protein roughage. **56**, 497, 1986
Nutrient digestion
Effect of forage species and season on nutrient digestion and supply in grazing cattle. **56**, 209, 1986
Nutrient intake
The nutrient intakes of pregnant and lactating mothers of good socio-economic status in Cambridge, UK: some implications for recommended daily allowances of minor nutrients. **56**, 59, 1986

Nutrient utilization
Comparative effects of wheat bran and barley husk on nutrient utilization in rats. 2. Zinc, calcium and phosphorus. **56**, 269, 1986
Nutritional status
Seasonal variations in the nutritional status of urban Gambian children. **56**, 533, 1986
Nylon-bag technique
Microbially corrected amino acid composition of rumen-undegraded feed protein and amino acid degradability in the rumen of feeds enclosed in nylon bags. **56**, 131, 1986
Obesity
Deliberate overfeeding in women and men: energy cost and composition of the weight gain. **56**, 1, 1986
The effect of a high-fat diet and sucrose drinking option on the development of obesity in spontaneously hypertensive rats. **56**, 73, 1986
n-3 Essential fatty acids decrease weight gain in genetically obese mice. **56**, 87, 1986
Percentage body fat and prevalence of obesity in a UK offshore population **56**, 97, 1986
Effects of adrenalectomy before weaning in the genetically obese Zucker rat (*fa/fa*). **56**, 141, 1986
Omasal effluent
The passage of protozoa from the reticulo-rumen through the omasum of sheep. **56**, 625, 1986
Oral contraceptives
The effect of oral contraceptives on the apparent vitamin B_6 status in some Sudanese women. **56**, 363, 1986
Overfeeding
Deliberate overfeeding in women and men: energy cost and composition of the weight gain. **56**, 1, 1986
Phytate
Effects of vitamin D on calcium regulation in vitamin-D-deficient pigs given a phytate-phosphorus diet. **56**, 661, 1986
Polychlorinated biphenyls
Comparative studies on the hypercholesterolaemia induced by excess dietary tyrosine or polychlorinated biphenyls in rats. **56**, 509, 1986
Polyunsaturated fat
The effect of dietary polyunsaturated fat on cation transport and hypertension in the rat. **56**, 587, 1986
Potassium deficiency
Effects of semi-starvation and potassium deficiency on the concentration of [^{3}H]ouabain-binding sites and sodium and potassium contents in rat skeletal muscle. **56**, 519, 1986
Pregnancy
The nutrient intakes of pregnant and lactating mothers of good socio-economic status in Cambridge, UK: some implications for recommended daily allowances of minor nutrients. **56**, 59, 1986
Carotene dioxygenase (*EC* 1.13.11.21) activity in rat intestine: effects of vitamin A deficiency and of pregnancy. **56**, 115, 1986
Energy and nitrogen metabolism of rabbits during pregnancy, lactation and concurrent pregnancy and lactation. **56**, 199, 1986
The effect of shearing on the energy metabolism of the pregnant ewe. **56**, 635, 1986
Premature infant
The early anaemia of the premature infant: is there a place for vitamin E supplementation? **56**, 105, 1986
Protein
The effects of a high-animal- and a high-vegetable-protein diet on mineral balance and bowel function of young men. **56**, 341, 1986
Protein–energy malnutrition
The effect of protein and energy deficiency on skin glycosaminoglycan levels in the rat. **56**, 329, 1986
Seasonal variations in the nutritional status of urban Gambian children. **56**, 533, 1986
Protein-free nutrients
Flow of nitrogen from the rumen and abomasum in cattle and sheep given protein-free nutrients by intragastric infusion. **56**, 241, 1986
Protein synthesis
Stimulation of muscle growth by clenbuterol: lack of effect on muscle protein biosynthesis. **56**, 249, 1986
Estimation of tissue protein synthesis in sheep during sustained elevation of plasma leucine concentration by intravenous infusion. **56**, 281, 1986
Protozoa
Dynamics of large ciliate protozoa in the rumen of cattle fed on diets of freshly cut grass. **56**, 455, 1986
The passage of protozoa from the reticulo-rumen through the omasum of sheep. **56**, 625, 1986
Quetelet index
Percentage body fat and prevalence of obesity in a UK offshore population **56**, 97, 1986
Rainbow trout (*Salmo gairdneri*)
Effect of selenium deficiency on hydroperoxide-stimulated release of glutathione from perfused liver of rainbow trout (*Salmo gairdneri*). **56**, 421, 1986
Recommended daily allowances
The nutrient intakes of pregnant and lactating mothers of good socio-economic status in Cambridge, UK: some implications for recommended daily allowances of minor nutrients. **56**, 59, 1986
Renal nitrogen
Effects of intraruminal sodium chloride infusion on rumen and renal nitrogen and electrolyte dynamics in sheep. **56**, 379, 1986
Riboflavin deficiency
The influence of riboflavin deficiency on absorption and liver storage of iron in the growing rat. **56**, 171, 1986
Rumen ciliates
The passage of protozoa from the reticulo-rumen through the omasum of sheep. **56**, 625, 1986
Rumen fermentation
Feeding frequency for lactating cows: effects on rumen fermentation and blood metabolites and hormones. **56**, 181, 1986
Effect of glucose on fermentation heat in sheep rumen fluid in vitro. **56**, 305, 1986

Rumen metabolism
The effect of forage species and stage of harvest on the processes of digestion occurring in the rumen of cattle. **56**, 439, 1986
The effect of digestibility and forage species on the removal of digesta from the rumen and the voluntary intake of hay by sheep. **56**, 463, 1986
The effect of supplementation with maize starch and level of intake of perennial ryegrass (*Lolium perrene* cv. Endura) hay on the removal of digesta from the rumen of sheep. **56**, 477, 1986
Effects of supplements on intake, rumen function and nutrient supply and growth in cattle eating alkali-treated oat straw. **56**, 487, 1986
Kinetics of nitrogen transfer across the rumen wall of sheep given a low-protein roughage. **56**, 497, 1986

Rumen micro-organisms
Production of tricarballylic acid by rumen micro-organisms and its potential toxicity in ruminant tissue metabolism. **56**, 153, 1986
Abnormal fermentations in continuous cultures of rumen micro-organisms given cobalt-deficient hay or barley as the food substrate. **56**, 369, 1986

Rumen nitrogen
Effects of intraruminal sodium chloride infusion on rumen and renal nitrogen and electrolyte dynamics in sheep. **56**, 379, 1986

Rumen protozoa
Role of rumen protozoa in nitrogen digestion in sheep given two isonitrogenous diets. **56**, 407, 1986
Dynamics of large ciliate protozoa in the rumen of cattle fed on diets of freshly cut grass. **56**, 455, 1986

Rumen-undegraded feed protein
Microbially corrected amino acid composition of rumen-undegraded feed protein and amino acid degradability in the rumen of feeds enclosed in nylon bags. **56**, 131, 1986

Saccharose
Energy balances of eight volunteers fed on diets supplemented with either lactitol or saccharose. **56**, 545, 1986

Selenium deficiency
Effect of selenium deficiency on hydroperoxide-stimulated release of glutathione from perfused liver of rainbow trout (*Salmo gairdneri*). **56**, 421, 1986

Semi-starvation
Effects of semi-starvation and potassium deficiency on the concentration of [^{3}H]ouabain-binding sites and sodium and potassium contents in rat skeletal muscle. **56**, 519, 1986

Shorn pregnant ewe
The effect of shearing on the energy metabolism of the pregnant ewe. **56**, 635, 1986

Skin glycosaminoglycans
The effect of protein and energy deficiency on skin glycosaminoglycan levels in the rat. **56**, 329, 1986

Sodium chloride
Effects of intraruminal sodium chloride infusion on rumen and renal nitrogen and electrolyte dynamics in sheep. **56**, 379, 1986

Sodium intake
Effects of sodium intake on lactation and Na levels in body fluids of Blackface ewes. **56**, 193, 1986

Somatomedin-C
Somatomedin-C and zinc status in rats as affected by Zn, protein and food intake. **56**, 163, 1986

Starch supplementation
The effect of supplementation with maize starch and level of intake of perennial ryegrass (*Lolium perrene* cv. Endura) hay on the removal of digesta from the rumen of sheep. **56**, 477, 1986

Taurine
Taurine concentrations in the diet, plasma, urine and breast milk of vegans compared with omnivores. **56**, 17, 1986

Thermogenesis
Effects of preweaning nutritional deprivation on basal metabolism and thermoregulatory thermogenesis in the rat. **56**, 615, 1986

Tricarballylic acid
Production of tricarballylic acid by rumen micro-organisms and its potential toxicity in ruminant tissue metabolism. **56**, 153, 1986

Tryptophan metabolism
The metabolism of high intakes of tryptophan, nicotinamide and nicotinic acid in the rat. **56**, 577, 1986

Twins and triplets
Yield and nutrient content of milk in eight women breast-feeding twins and one woman breast-feeding triplets. **56**, 49, 1986

Tyrosine
Comparative studies on the hypercholesterolaemia induced by excess dietary tyrosine or polychlorinated biphenyls in rats. **56**, 509, 1986

Vegan diet
Taurine concentrations in the diet, plasma, urine and breast milk of vegans compared with omnivores. **56**, 17, 1986

Vegetarians
Blood rheology in vegetarians. **56**, 555, 1986

Vitamin A deficiency
Carotene dioxygenase (*EC* 1.13.11.21) activity in rat intestine: effects of vitamin A deficiency and of pregnancy. **56**, 115, 1986

Vitamin B_6
The effect of oral contraceptives on the apparent vitamin B_6 status in some Sudanese women. **56**, 363, 1986

Vitamin D
Effects of vitamin D on calcium regulation in vitamin-D-deficient pigs given a phytate-phosphorus diet. **56**, 661, 1986

Vitamin E
The early anaemia of the premature infant: is there a place for vitamin E supplementation? **56**, 105, 1986

Zinc
Somatomedin-C and zinc status in rats as affected by Zn, protein and food intake. **56**, 163, 1986

Zinc deficiency
Methionine metabolism in isolated perfused livers from rats fed on zinc-deficient and restricted diets. **56**, 395, 1986